REMARKS

This application has been carefully reviewed in light of the Office Action dated January 11, 2005. Claims 1 to 50 are pending in the application, of which Claims 1, 11, 21, 31, 36, 41 and 46 are independent. Reconsideration and further examination are respectfully requested.

The drawings were objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include some reference characters mentioned in the description. Enclosed under separate letter is a replacement drawing which addresses this objection. In addition, the specification has been amended as suggested in the Office Action to correctly reference the appropriate reference characters. Therefore, Applicants respectfully request withdrawal of this objection.

The specification was objected to for various informalities, specifically, errors of a typographical or grammatical nature. The specification has been amended to address these informalities as suggested in the Office Action. Accordingly, Applicants respectfully request withdrawal of this objection.

Claim 6 was objected to for an informality. Claim 6 has been amended as suggested in the Office Action. Therefore, Applicants respectfully request withdrawal of this objection.

Claims 1 to 4, 6, 10m 11 to 14, 16, 20 to 24, 26 and 30 were rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,661,530 (Munetomo) in view of U.S. Patent No. 5,923,013 (Suzuki '013). Claims 5, 15 and 25 were rejected under 35 U.S.C. § 103(a) over Munetomo in view of Suzuki '013, and in further view of U.S. Patent No. 5,864,634 (Kurita). Claims 7, 17 and 27 were rejected under 35 U.S.C. § 103(a) over Munetomo in view of Suzuki '013, and in further view of U.S. Patent No. 6,788,427 (Okigami). Claims

8, 18 and 28 were rejected under 35 U.S.C. § 103(a) over Munetomo in view of Suzuki '013, and in further view of U.S. Patent No. 6,804,018 (Mochizuki). Claims 9, 19 and 29 were rejected under 35 U.S.C. § 103)a) over Munetomo in view of Suzuki '013, and in further view of U.S. Patent No. 5,847,848 (Suzuki '848). Claims 31, 36, 41 and 46 were rejected under 35 U.S.C. § 103(a) over Munetomo in view of Suzuki '848. Claims 32, 33, 37, 38, 42, 43, 47 and 48 were rejected under 35 U.S.C. § 103(a) over Munetomo in view of Suzuki '848, and in further view of U.S. Patent No. 6,101,513 (Shakib). Claims 34, 35, 39, 40, 44, 45, 49 and 50 were rejected under 35 U.S.C. § 103(a) over Munetomo in view of Suzuki '848, and in further view of U.S. Patent No. 5,995,985 (Cai). Reconsideration and withdrawal of these rejections are respectfully requested.

The present invention concerns creating a print job to be printed by a printing apparatus having an inversion process function. An information processing apparatus in accordance with the claimed invention includes the capability to simulate special functions on the information processing apparatus by detecting the settings of special functions to be executed by the printing apparatus.

Turning to specific claim language, amended independent Claim 1 is directed to an information processing apparatus that creates print job to be printed by a printing apparatus having an inversion process function. The apparatus includes intermediate data converting means for converting print data created by an application to an intermediate code format data and storing the converted intermediate code format data and processing conditions of the print data, detection means for analyzing the processing conditions and detecting a setting of the inversion process function to be executed by the printing apparatus, preview display controlling means for displaying a preview image of the print processing result in advance based on the print data stored by the intermediate

data converting means and processing conditions, and job creation means for creating the print job based on the intermediate code format data stored by the intermediate data converting means. The preview display controlling means displays the preview image reflecting the inversion process to be executed by the printing apparatus, and the job creation means creates the print job on which the inversion process has been not executed, in a case where the detection means detects the setting of the inversion process function.

In contrast, Munetomo relates to software for generating a preview image and displaying the preview image on the display. For example, mirroring is disclosed as the preview image. In Munetomo, the mirroring image is previewed based on an inversion process that is executed by a host computer. The mirroring image is displayed as the result of the inversion process of the host computer itself.

Furthermore, Suzuki '013 relates a print control apparatus for analyzing print job, generating page data of page units based on the analysis and managing the generated the page data. Therefore, Suzuki '013 does not disclose a configuration for detecting the settings of special functions to be executed by the printing apparatus and simulating the special functions on the information processing apparatus.

The detection means of amended independent Claim 1 analyzes the processing conditions of the print data and detects a setting of the inversion process function to be executed by the printing apparatus. The preview display controlling means of amended independent Claim 1 displays the preview image reflecting the inversion process to be executed by the printing apparatus.

Therefore, neither Munetomo nor Suzuki '013, neither alone nor in combination, disclose or suggest at least the features of a detection means for analyzing the processing conditions and detecting a setting of the inversion process function to be

executed by the printing apparatus and a preview display controlling means for displaying a preview image of the print processing result in advance based on the print data stored by the intermediate data converting means and processing conditions. Accordingly, Applicants submit that Claim 1 is in condition for allowance and respectfully request same.

Claims 11 and 21 are directed to a method and a storage medium storing a program module for a computer to execute, respectively, in accordance with the features of Claim 1. Applicants submit that the discussion from above in regard to Claim 1 applies equally to Claims 11 and 21. Accordingly, Applicants submit that Claims 11 and 21 are also in condition for allowance and respectfully request same.

Amended independent Claim 31 concerns features of preview processing based on combining the features of adjusting a binding margin and the inversion process. Specifically, Claim 31 is directed to an information processing apparatus that creates print data. The apparatus comprises: a spooling means for storing print data created by an application; a determining means for determining whether mirroring or color inversion is specified as the print setting for said print data; a preview display controlling means for, when said determining means determines that mirroring or color inversion is specified, creating mirrored or color-inverted display data based on the print data stored in said spooling means and presenting a preview, wherein in a case where the mirroring is specified as the print setting for said print data and a binding margin is specified, said preview display controlling means creates mirroring data used for displaying after adjusting the binding margin setting, and wherein the binding margin is kept to the same side before and after adjusting the binding margin setting.

In contrast, Suzuki '848 is directed to an image processing apparatus capable of providing a preview display of the result of an editing operation. However,

Suzuki '848 does not disclose that, when mirroring and a binding margin are specified, creating mirroring data used for displaying after adjusting the binding margin setting wherein the binding margin is kept to the same side before and after adjusting the binding margin setting. Instead, Suzuki '848 discloses a page format specifying the logical dimensions of a physical page. The page format header in the page format includes a margin line specifying a set of default margins for the physical page. One margin setting is a "MIRROR" setting which specifies that side margins are switched after each physical page during duplex printing. (Suzuki '848, Fig. 4 and column 16, lines 6 to 17.) Therefore, Suzuki '848 fails to disclose creating mirroring data used for displaying after adjusting the binding margin setting wherein the binding margin is kept to the same side before and after adjusting the binding margin setting.

Therefore, neither Munetomo nor Suzuki '898, neither alone nor in combination, disclose or suggest at least the feature of creating mirroring data used for displaying after adjusting the binding margin setting wherein the binding margin is kept to the same side before and after adjusting the binding margin setting. Accordingly, Applicants submit that Claim 31 is in condition for allowance and respectfully request same.
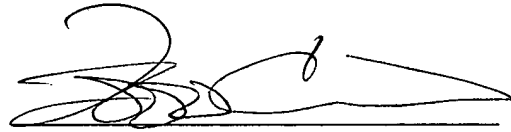
Claims 36, 41 and 46 are directed to a method, a storage medium storing a program module for a computer to execute and a computer-program which is executed by a computer, respectively, in accordance with the features of Claim 31. Applicants submit that the discussion from above in regard to Claim 31 applies equally to Claims 36, 41 and 46. Accordingly, Applicants submit that Claims 36, 41 and 46 are also in condition for allowance and respectfully request same.

The other pending claims in this application are each dependent from the independent claims discussed above and are therefore believed allowable for at least the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, individual consideration of each dependent claim on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, the entire application is believed to be in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa, CA office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

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